PROMISE® TECHNOLOGY, INC.

VTrak J-Class Redundant SAS/SATA JBOD

Robust, high-availability JBOD storage enclosure with Single or Dual I/O modules and up to four SAS-wide Ports

VTrak J-Class
SAS / SATA JBOD Storage Enclosure

Highlights

- 16 or 12 hot-swappable drive bays in a robust 3U or 2U chassis
- Supports Serial Attached SCSI (SAS) and SATA drives simultaneously
- Dual active/active SAS JBOD I/O modules
- Up to four mini SAS (4x) ports, two ports per I/O module
- Redundant, hot-swappable Field Replaceable Units (FRUs)
- SES-2 compliant enclosure management
- Compatible with leading SAS & SATA drives, HBAs and RAID controllers

VTrak J-Class Models		
I/O Module	2U/12-Bay	3U/16-Bay
Single	VTJ310sS	VTJ610sS
Dual	VTJ310sD	VTJ610sD

Affordable enterprise-level storage

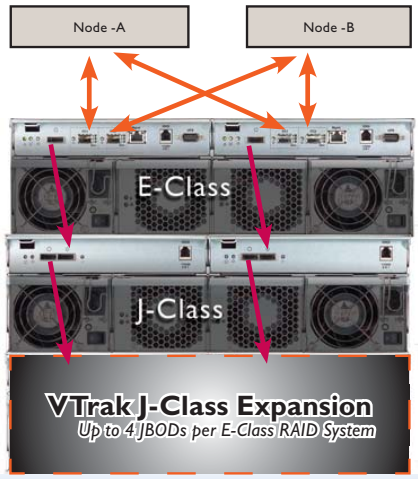
The VTrak J-Class delivers an affordable high performance SAS solution with advanced enterprise level reliability and functionality. The four external SAS ports provide the connectivity and bandwidth for large capacity solutions requiring multiple cascaded JBODs. Fully redundant I/O modules, power supplies and cooling units, combined with a cable-less system design, provides exceptional data availability even during component failures.

No Single Point of Failure

With the VTrak J-Class, Promise has dramatically narrowed the gap between simple fault tolerance and "No Single Point of Failure". All system components are redundant and are constantly monitored using industry standard protocols to ensure continuous operation. Dual active-active JBOD I/O modules provide redundant data paths to ensure data availability.

Service and Support

Every VTrak is backed by the Promise 3-Year limited warranty with 24/7 telephone and email support (Americas & EMEA). When our support confirms a failure in the field, advanced replacement parts are always available to eliminate down time.



Fully Redundant Hot-Swap Field Replaceable Units

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J-Class Specifications

VTrak J-Class
SAS / SATA JBOD Storage Enclosure

JBOD I/O Module Features	2U/12-Bay	3U/16-Bay
Model Numbers -Single I/O	VTJ310sS	VTJ610sS
Model Numbers -Dual I/O supports failover/failback and active/active drive access	VTJ310sD	VTJ610sD
Drive Support:	Up to twelve 3.5" x 1" hard drives	Up to sixteen 3.5" x 1" hard drives
	SAS 3Gb/s, SATA II 3Gb/s and 1.5Gb/s* Supports any mix of SAS and SATA drives simultaneously in the same enclosure	
External I/O Ports	Each I/O module has two SAS ports using industry standard Mini SAS 4x wide-port-SAS connectors (SFF-8088), one IN and one OUT for cascading JBODs	
SAS Features		
	ANSI T10 SAS 1.0 and 1.1 Compliant	
Management Function –With Expander Embedded Processor	• Self-configuring expander supports full SAS domain topology management • SMP – SAS Management Protocol • In-band access to Expander and PHY information • Statistic counters and performance monitors • SES EM – SES Enclosure Management (ANSI T10 SES 2 Compliant) • SCSI SES command set over virtual SSP device	
System Management		
Supported Operating Systems	Windows 2003, Linux (Red Hat, SuSE)	
Management Interfaces	LED status indicator support for drives, FRU and enclosure environmentals In-band SES enclosure management alerts user to out of spec operation: thermal condition, voltage condition or component failures, protecting data and hardware Full subsystem management CLI through out-of-band RS232 serial port	
Enclosure Management Protocols	SES over in-band SAS	
Mechanical Specification		
Voltage	100-240 Vac Auto-Ranging	
Current (Maximum)	8 A @ 100 Vac; 4 A @ 240 Vac (current rating with two power cords)	
Power Supply	Dual 400W, 100-240 Vac auto-ranging, 50-60 Hz, dual hot swap and redundant with PFC, N+1 design	Dual 500W, 100-240 Vac auto-ranging, 50-60 Hz, dual hot swap and redundant with PFC, N+1 design
Power Consumption	100.87 Watts (under load w/o HDD), 412.51 Watts (under load with SAS HDD)	108.38 Watts (under load w/o HDD), 523.91 Watts (under load with SAS HDD)
Operating Temperature/ Humidity	5°~40°C (-40°~60°C non operational) / Maximum 95%	
Vibration	Random, 0.21 grms, 5-500Hz, X, Y, Z axis	
Dimensions (H x W x D)	8.84 x 44.65x 56.1 cm (3.5 x 17.6 x 22.1in)	13.1x 44.65x 56.1 cm (5.2 x 17.6 x 22.1in)
Weight *** Assume each hard drive = 0.5 kg**	Net weight: 26.5 kg (58.4 lbs) without drives, 32.5 kg (71.7 lbs) with 12 drives* Gross weight: 33kg (72.8 lbs) without drives	Net weight: 30.5 kg (67.2 lbs) without drives, 38.5 kg (84.9 lbs) with 16 drives* Gross weight: 37.5kg (82.7 lbs) without drives
Safety	CE, FCC ClassA, VCCI, cUL, TUV, CB, BSMI, C-Tick, MIC	
Warranty and Support		
Warranty	Three year complete system limited warranty	
Support	24x7 email and phone support (English only); 24x7 access to Promise support site-drivers, firmware and compatibility	

* Assume each hard drive = 0.5 kg
Check www.promise.com for the latest operating system, HBA, and hard disk drive compatibility.
Specifications subject to change without notice.

About Promise

Promise Technology provides a comprehensive SAS/SATA RAID storage product line including rack mount RAID enclosures, PCIe RAID, SOHO-NAS and SATA RAID ASICs for embedded applications. Headquartered in Milpitas, CA, the company has ISO-9001 certified R & D centers in the USA, Taiwan and China. For more information, visit: www.promise.com

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Fragen zu dem Produkt? Kein Problem - wir helfen Ihnen per eMail (info@diskontcomputer.com) gerne weiter!
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